

EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	((KENICHI) near2 (HARATAKE)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/01 09:15
L2	69	(hirata near2 corporation).as.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L3	19	("3754741" "3805880" "4149969" "4422933" "4861489" "5057229" "5294916" "5435056" "5480564" "5525241" "5695644" "5858219" "6139731" "6274054" "6740231" "6761827" "6982040" "7033509").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L4	702	29/281.1.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L5	20	("0887103" "1075384" "1602704" "1741110" "2716272" "3793718" "4047276" "4463635" "4843697" "5233740" "6098972" "6367141").PN. OR ("6687993").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/01 09:15
L6	19	("2431121" "3926356" "4060189" "4201325" "4555838" "4765057" "4819856" "4899907").PN. OR ("5181315").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/01 09:15

L7	166	29/281.3.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L8	1875	29/235.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L9	70	29/236.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L10	201	29/251.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L11	1762	29/525.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L12	667	29/426.4.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L13	1	"5737831".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L14	10	("2792625" "3601881" "3993699" "4047276" "4379234" "4799311" "4967459" "5259109").PN. OR ("5737831").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/01 09:15
L15	372	29/771.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L16	59	"5781277"	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L17	0	"5781277"".pn"	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15

L18	0	"5781277.pn"	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L19	0	"5781277.pn"	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L20	1	"5781277".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L21	65	("4803712" "5128975" "5172160" "5187519" "5204712" "5446519" "5467720" "5544213" "5610686").PN. OR ("5781277").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/01 09:15
L22	356	b23p19/02.ipc.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L23	13	"29"/\$.ccls. and (piston with carousel)	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L24	9	("2792625" "3601881" "3993699" "4047276" "4379234" "4799311" "4967459" "5259109").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/01 09:15
L25	429	29/222.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/01 09:15
L26	1	((KENICHI) near2 (HARATAKE)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/01 09:15
L27	69	(hirata near2 corporation).as.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15

L28	19	("3754741" "3805880" "4149969" "4422933" "4861489" "5057229" "5294916" "5435056" "5480564" "5525241" "5695644" "5858219" "6139731" "6274054" "6740231" "6761827" "6982040" "7033509").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L29	702	29/281.1.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L30	20	("0887103" "1075384" "1602704" "1741110" "2716272" "3793718" "4047276" "4463635" "4843697" "5233740" "6098972" "6367141").PN. OR ("6687993").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/01 09:15
L31	19	("2431121" "3926356" "4060189" "4201325" "4555838" "4765057" "4819856" "4899907").PN. OR ("5181315").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/01 09:15
L32	166	29/281.3.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L33	1875	29/235.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L34	70	29/236.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L35	201	29/251.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15

L36	1762	29/525.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L37	667	29/426.4.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L38	1	"5737831".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L39	10	("2792625" "3601881" "3993699" "4047276" "4379234" "4799311" "4967459" "5259109").PN. OR ("5737831").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/01 09:15
L40	372	29/771.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L41	59	"5781277"	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L42	0	"5781277"".pn"	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L43	0	"5781277.pn"	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L44	0	"5781277.pn"	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L45	1	"5781277".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L46	65	("4803712" "5128975" "5172160" "5187519" "5204712" "5446519" "5467720" "5544213" "5610686").PN. OR ("5781277").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/01 09:15

L47	356	b23p19/02.ipc.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L48	59	29/771.ccls. and piston	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L49	8	("2792625" "4379234" "4967459").PN. OR ("5435056").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/01 09:15
L50	1033	(B23P19/04 B23P19/08 B25B27/12).ipc.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L51	49	b23q7/10.ipc.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L52	356	b23p19/02.ipc.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L53	60	b23p15/10.ipc.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L54	1	(ferguson near2 machine).as.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L55	5	"5404629"	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/07/01 09:15
L56	8	("2792625" "4047276" "4967459" "5259109" "5303465").PN. OR ("5404629").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/01 09:15
L57	21	29/222.ccls. and (piston same (pull or pulled))	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/01 09:15
L58	1	"20040143920".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/01 09:15
S1	1	((KENICHI) near2 (HARATAKE)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/16 21:07

S2	59	(hirata near2 corporation).as.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2009/12/16 21:07
S3	19	("3754741" "3805880" "4149969" "4422933" "4861489" "5057229" "5294916" "5435056" "5480564" "5525241" "5695644" "5858219" "6139731" "6274054" "6740231" "6761827" "6982040" "7033509").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2009/12/17 10:19
S6	689	29/281.1.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2009/12/17 11:49
S7	20	("0887103" "1075384" "1602704" "1741110" "2716272" "3793718" "4047276" "4463635" "4843697" "5233740" "6098972" "6367141").PN. OR ("6687993").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/17 12:47
S8	19	("2431121" "3926356" "4060189" "4201325" "4555838" "4765057" "4819856" "4899907").PN. OR ("5181315").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/17 13:06
S9	163	29/281.3.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2009/12/17 13:51
S10	1861	29/235.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2009/12/17 15:24
S18	70	29/236.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2009/12/17 16:02

S19	201	29/251.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2009/12/17 16:25
S23	1740	29/525.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2009/12/17 16:56
S24	657	29/426.4.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2009/12/17 16:57
S25	1	"5737831".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2009/12/17 17:51
S26	10	("2792625" "3601881" "3993699" "4047276" "4379234" "4799311" "4967459" "5259109").PN. OR ("5737831").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/17 17:51
S27	369	29/771.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2009/12/17 17:55
S28	59	"5781277"	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2009/12/17 19:06
S29	0	"5781277"".pn"	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2009/12/17 19:06
S30	0	"5781277.pn"	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2009/12/17 19:06
S31	0	"5781277.pn"	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2009/12/17 19:06
S32	1	"5781277".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2009/12/17 19:07

S33	65	("4803712" "5128975" "5172160" "5187519" "5204712" "5446519" "5467720" "5544213" "5610686").PN. OR ("5781277").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/17 19:07
S34	307	b23p19/02.ipc.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/01/02 20:41
S35	13	"29"}/\${.ccls. and (piston with carousel)	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/01/04 09:34
S36	9	("2792625" "3601881" "3993699" "4047276" "4379234" "4799311" "4967459" "5259109").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/04 09:38
S37	427	29/222.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/04 09:53
S38	1	((KENICHI) near2 (HARATAKE)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/04 11:38
S39	61	(hirata near2 corporation).as.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/01/04 11:38
S40	19	("3754741" "3805880" "4149969" "4422933" "4861489" "5057229" "5294916" "5435056" "5480564" "5525241" "5695644" "5858219" "6139731" "6274054" "6740231" "6761827" "6982040" "7033509").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/01/04 11:38
S41	690	29/281.1.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/01/04 11:38

S42	20	("0887103" "1075384" "1602704" "1741110" "2716272" "3793718" "4047276" "4463635" "4843697" "5233740" "6098972" "6367141").PN. OR ("6687993").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/04 11:38
S43	19	("2431121" "3926356" "4060189" "4201325" "4555838" "4765057" "4819856" "4899907").PN. OR ("5181315").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/04 11:38
S44	163	29/281.3.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/01/04 11:38
S45	1862	29/235.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/01/04 11:38
S46	70	29/236.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/01/04 11:38
S47	201	29/251.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/01/04 11:38
S48	1741	29/525.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/01/04 11:38
S49	657	29/426.4.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/01/04 11:38
S50	1	"5737831".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/01/04 11:38

S51	10	("2792625" "3601881" "3993699" "4047276" "4379234" "4799311" "4967459" "5259109").PN. OR ("5737831").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/04 11:38
S52	369	29/771.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/01/04 11:38
S53	59	"5781277"	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/01/04 11:38
S54	0	"5781277"".pn"	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/01/04 11:38
S55	0	"5781277.pn"	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/01/04 11:38
S56	0	"5781277.pn"	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/01/04 11:38
S57	1	"5781277".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/01/04 11:38
S58	65	("4803712" "5128975" "5172160" "5187519" "5204712" "5446519" "5467720" "5544213" "5610686").PN. OR ("5781277").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/04 11:38
S59	307	b23p19/02.ipc.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/01/04 11:38
S60	57	29/771.ccls. and piston	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/01/04 11:42
S61	8	("2792625" "4379234" "4967459").PN. OR ("5435056").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/04 12:14

S62	848	(B23P19/04 B23P19/08 B25B27/12).ipc.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/01/04 12:18
S63	47	b23q7/10.ipc.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/01/04 12:37
S65	307	b23p19/02.ipc.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/01/04 12:49
S66	51	b23p15/10.ipc.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/01/04 12:52
S67	1	(ferguson near2 machine).as.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/01/04 17:46
S68	5	"5404629"	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2010/01/04 17:59
S69	8	("2792625" "4047276" "4967459" "5259109" "5303465").PN. OR ("5404629").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/04 18:04
S70	20	29/222.ccls. and (piston same (pull or pulled))	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/05 10:12
S71	1	"20040143920".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/05 10:19

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L59	0	29/281.1.ccls. and (base and guide and concave and piston and (center or centering) and (drive or driving) and ring and tapered).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/01 09:15

L60	6	(base and guide and concave and piston and (center or centering) and (drive or driving) and ring and tapered).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/01 09:15
L61	1	29/771.ccls. and (base and guide and concave and piston and (center or centering) and (drive or driving) and ring and tapered).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/01 09:23
L62	0	29/785.ccls. and (base and guide and concave and piston and (center or centering) and (drive or driving) and ring and tapered).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/01 09:23
L63	1	29/222.ccls. and (base and guide and concave and piston and (center or centering) and (drive or driving) and ring and tapered).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/01 09:25
S72	0	29/281.1.ccls. and (base and guide and concave and piston and (center or centering) and (drive or driving) and ring and tapered).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/01 07:57
S73	6	(base and guide and concave and piston and (center or centering) and (drive or driving) and ring and tapered).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/07/01 07:58

7/1/2010 10:00:03 AM

C:\ Documents and Settings\ jdaniel\ My Documents\ EAST\ Workspaces\ 10559807.wsp